



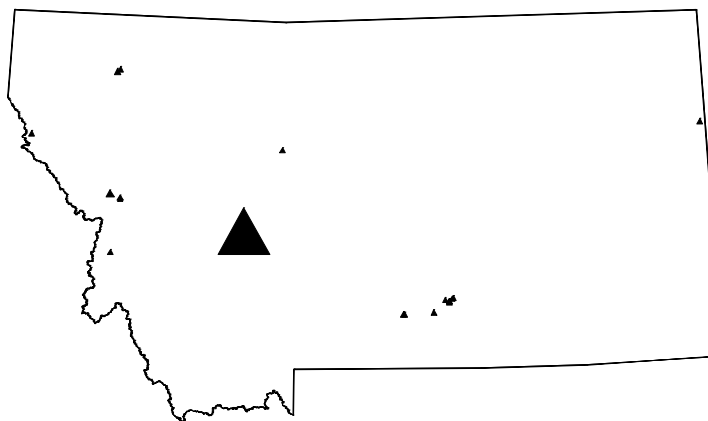
# 1997 TOXICS RELEASE INVENTORY

# MONTANA

## State/TRI Data

|                  |         |
|------------------|---------|
| Population       | 878,730 |
| Square Miles     | 145,556 |
| Total Facilities | 29      |
| Total Forms      | 163     |
| Form As          | 21      |

|   |             |
|---|-------------|
| <b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)   |             |
| Rank  | 22          |
| Pounds  | 43,352,385  |
| <b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal) |             |
| Rank  | 18          |
| Pounds  | 42,131,345  |
| <b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)   |             |
| Rank  | 20          |
| Pounds  | 43,747,510  |
| <b>National Rank for Production-related Waste Managed</b>   |             |
| Rank  | 35          |
| Pounds  | 103,675,561 |



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Montana. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

|  | Pounds             |
|--|--------------------|
| On-site Releases   | 42,131,345         |
| Air Emissions  | 4,314,764          |
| Surface Water Discharges   | 97,172             |
| Underground Injection Class I Wells  | 0                  |
| Underground Injection Class II-V Wells   | 0                  |
| On-site Land Releases to RCRA Subtitle C Landfills   | 500                |
| Other On-site Land Releases  | 37,718,909         |
| Off-site Releases (Transfers Off-site to Disposal)   | 1,221,040          |
| <b>Total On- and Off-site Releases</b>   | <b>43,352,385</b>  |
| Recycled On-site   | 46,586,065         |
| Recycled Off-site  | 2,966,505          |
| Energy Recovery On-site  | 2,629,689          |
| Energy Recovery Off-site   | 59,947             |
| Treated On-site  | 9,236,891          |
| Treated Off-site   | 18,892             |
| Quantity Released On- and Off-site   | 42,177,572         |
| (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions) |                    |
| <b>Total Production-related Waste Managed</b>  | <b>103,675,561</b> |
| <b>Total Non-production-related Waste Managed</b>  | <b>267</b>         |

## Top Five Chemicals for Total Releases In State

| CAS<br>Number | Chemical            | On-site Releases             |                                |                  |                     |                                 |                                   | Off-site Releases<br>(Transfers Off-site to Disposal) |                             |                             | Total Releases<br>in the State* |
|---------------|---------------------|------------------------------|--------------------------------|------------------|---------------------|---------------------------------|-----------------------------------|---|-----------------------------|-----------------------------|---------------------------------|
|               |                     | <u>Underground Injection</u> |                                |                  |                     | <u>On-site Releases to Land</u> |                                   | Transferred<br>Into State                             | Transferred<br>Within State | Transferred<br>Out of State |                                 |
|               |                     | Air<br>Emissions             | Surface<br>Water<br>Discharges | Class I<br>Wells | Class II-V<br>Wells | RCRA<br>Subtitle C<br>Landfills | Other<br>On-site Land<br>Releases |   |                             |                             |                                 |
|               |                     | Pounds                       | Pounds                         | Pounds           | Pounds              | Pounds                          | Pounds                            | Pounds  | Pounds                      | Pounds                      | Pounds                          |
| 67-56-1       | Zinc compounds      | 24,771                       | 790                            | 0                | 0                   | 0                               | 29,959,348                        | 1,100,000   | 5                           | 123,424                     | 31,084,914                      |
|               | Lead compounds      | 33,756                       | 2,294                          | 0                | 0                   | 0                               | 3,424,928                         | 300,000   | 0                           | 441,368                     | 3,760,978                       |
|               | Copper compounds    | 17,501                       | 511                            | 0                | 0                   | 0                               | 1,911,101                         | 1,900   | 250                         | 360,581                     | 1,931,263                       |
|               | Methanol            | 1,714,141                    | 75,000                         | 0                | 0                   | 0                               | 230                               | 0   | 0                           | 0                           | 1,789,371                       |
|               | Manganese compounds | 1,010                        | 103                            | 0                | 0                   | 0                               | 1,582,828                         | 0   | 0                           | 1                           | 1,583,941                       |

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MONTANA

## Top Five Facilities for Total On-site Releases

| Facility / City, County                               | On-site Releases      |                          |               |                          |                           |                             | Total On-site Releases* | Off-site Releases<br>(Transfers Off-site to Disposal) |                          |
|---|-----------------------|--------------------------|---------------|--------------------------|---------------------------|-----------------------------|-------------------------|---|--------------------------|
|   | Underground Injection |                          |               | On-site Releases to Land |                           |                             |                         | Transferred Within State                              | Transferred Out of State |
|   | Air Emissions         | Surface Water Discharges | Class I Wells | Class II-V Wells         | RCRA Subtitle C Landfills | Other On-site Land Releases |                         |   |                          |
|   | Pounds                | Pounds                   | Pounds        | Pounds                   | Pounds                    | Pounds                      | Pounds                  | Pounds  | Pounds                   |
| ASARCO Inc., East Helena, Lewis and Clark             | 104,398               | 5,025                    | 0             | 0                        | 0                         | 37,706,499                  | 37,815,922              | 30  | 1,206,525                |
| Stone Container Corp., Missoula, Missoula             | 2,019,065             | 81,230                   | 0             | 0                        | 0                         | 245                         | 2,100,540               | 0   | 505                      |
| Plum Creek Mfg. LP, Columbia Falls, Flathead          | 751,000               | 0                        | 0             | 0                        | 0                         | 0                           | 751,000                 | 0   | 0                        |
| Columbia Falls Aluminum Co., Columbia Falls, Flathead | 300,650               | 0                        | 0             | 0                        | 0                         | 1,300                       | 301,950                 | 0   | 0                        |
| Exxon Billings Refinery, Billings, Yellowstone        | 254,586               | 8,708                    | 0             | 0                        | 0                         | 0                           | 263,294                 | 0   | 225                      |

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

| Facility / City, County                               | Recycled On-site | Recycled Off-site | Energy Recovery On-site | Energy Recovery Off-site | Treated On-site | Treated Off-site | Quantity Released On- and Off-site* | Total Production-related Waste Managed | Total Non-Production-related Waste Managed |
|---|------------------|-------------------|-------------------------|--------------------------|-----------------|------------------|-------------------------------------|--|--|
|   | Pounds           | Pounds            | Pounds                  | Pounds                   | Pounds          | Pounds           | Pounds                              | Pounds                                 | Pounds                                     |
|   |                  |                   |                         |                          |                 |                  |                                     |  |  |
| ASARCO Inc., East Helena, Lewis and Clark             | 39,132,312       | 2,832,418         | 0                       | 0                        | 0               | 30               | 37,815,922                          | 79,780,682                             | 0  |
| Stone Container Corp., Missoula, Missoula             | 0                | 0                 | 2,373,600               | 0                        | 4,445,580       | 158              | 2,119,858                           | 8,939,196                              | 0  |
| Plum Creek Mfg. LP, Columbia Falls, Flathead          | 0                | 0                 | 0                       | 0                        | 0               | 0                | 750,000                             | 750,000                                | 0  |
| Columbia Falls Aluminum Co., Columbia Falls, Flathead | 6,308,248        | 0                 | 0                       | 0                        | 0               | 180              | 301,950                             | 6,610,378                              | 0  |
| Exxon Billings Refinery, Billings, Yellowstone        | 0                | 0                 | 0                       | 0                        | 2,807,740       | 431              | 263,805                             | 3,071,976                              | 0  |

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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